

Docket No.: CALT-2806CIP1  
(032634-000014)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Lee J. Burrows  
SERIAL NO.: 09/419,347  
FILING DATE: October 15, 1999  
TITLE: ION EXCHANGE WAVEGUIDES AND METHODS OF  
FABRICATION  
EXAMINER: Hiteshew, F. Carla (Tel. No.: (703) 308-2545)  
(Fax No.: (703) 308-3599)  
ART UNIT: 1765

**CERTIFICATE OF MAILING**

I hereby certify that this paper is being deposited with the United States Postal Service as First Class  
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Date: 5-10-04

Name: Carol Diez  
Carol Diez

MAIL STOP ISSUE FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

**APPLICANT'S COMMENTS ON REASONS FOR ALLOWANCE**

These comments are responsive to the Notice of Allowance mailed on  
February 10, 2004, which sets forth the Examiner's statement of reasons for allowance.

The Examiner is thanked for the kind allowance of all pending claims (i.e. claims  
14-22, 36-44, 59 and 69-84). Applicants acknowledge the Examiner's statement of  
reasons for allowance as set forth in the Notice of Allowance. However, Applicants point  
out that the reasons for allowability of the above referenced claims are not limited to the  
reasons for allowance as set forth in the Notice of Allowance, and that additional reasons

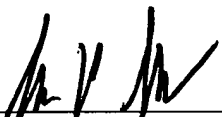
for allowability may exist, each of which may be independently sufficient to establish the patentability of one or more pending claims.

Applicants respectfully reserve the right to introduce, articulate, or otherwise comment on any such additional reasons for allowance as may be appropriate in any future proceedings concerning the claimed invention.

Please charge any additional required fee or credit any overpayment to our deposit account number 50-1698.

Respectfully submitted,  
THELEN REID & PRIEST LLP

Dated: May 10, 2004

  
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John P. Schaub  
Reg. No. 42,125

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**TRANSMITTAL FOR FORMAL DRAWINGS**

In response to the Notice of Allowance dated February 10, 2004, re-submitted herewith  
for filing please find (4) sheets of formal drawings, which were originally filed on November 19,  
2003, but have not been acknowledged in the Notice of Allowance.

Respectfully submitted  
THELEN REID & PRIEST LLP

Dated: May 10, 2004

  
John P. Schaub  
Reg. No. 42,125

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